

# Yifei (Ione) Wu

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Industrial Designer specializing in parametric design, user-centered research, and rapid prototyping. Experienced across medical, aerospace, and consumer product domains. Adept at translating complex needs into elegant, functional solutions through CAD, hands-on prototyping, and iterative testing.

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## Education

### Master of Design (2021-2023)

University of Cincinnati, College of Design, Architecture, Art, and Planning (DAAP), Cincinnati, OH

### Bachelor of Engineering in Industrial Design (2016-2020)

Ocean University of China, Qingdao, China

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## Professional Experience

### Industrial Designer | BBnana Design Studio | Oct 2023 - Present

- Lead industrial design projects across consumer electronics and conceptual products, from early research through prototyping.
- Develop user-driven solutions using parametric design, 3D printing, and iterative modeling to tackle complex design challenges.
- Translate abstract concepts into tangible prototypes that balance form, function, and feasibility.

### Research Assistant | University of Cincinnati | Aug 2022 - Jun 2024

- Co-developed wearable cooling systems for firefighter PPE as part of a \$2M interdisciplinary project.
- Designed and tested 20+ iterations of 3D-printed thermal regulation devices; integrated 3D body scanning into the design pipeline.
- Conducted user testing and translated feedback into ergonomic, testable improvements—contributing to two pending patents.

### Design Intern | Siemens Healthineers | Feb 2021 - Jun 2021

- Conducted contextual research and workflow mapping to localize medical imaging systems for Chinese clinical settings.
- Created wireframes, form studies, and functional mockups to improve usability and address system-specific pain points.
- Collaborated with cross-regional teams to adapt global designs for domestic manufacturing and regulation.

### Industrial Designer | Jiangsu Apon Medical Technology | Aug 2020 - Jan 2021

- Designed 8 medical devices from concept to production, including infusion pumps and post-op recovery tools.
  - Delivered manufacturable CAD and renderings for stakeholder review; managed iterative prototyping and usability testing.
  - First inventor on 6 granted design patents, leading design strategy and coordination with engineering and manufacturing teams.
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## Recognition & Intellectual Property

### Awards:

UX Design Awards 2024 – Nominee

UCDA Design Awards 2024 – Silver Award

Crystal Cabin Award 2023 – Shortlisted

### Pending Inventions:

#### Personal Protective Garment Cooling System for Harsh Environments

Application # 63/665,735 | Pending | Submitted in June 2024

#### Cooling System for Personal Protective Garment

Application # 63/665,820 | Pending | Submitted in June 2024

### Patents:

#### Adaptable Seat Systems and Methods for an Internal Cabin of an Aircraft

Patent # US-12195186-B2 | Granted | 2025-01-14

#### Lounge System for an Internal Cabin of an Aircraft

US-20240253787-A1 | 2024-08-01

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## Skills

**Software:** Adobe CC, Keyshot, Rhino (**Rhinoceros Industry Advanced Training Course**), AutoCAD, Figma, Procreate, Sketch

**Techniques:** Parametric Design, 3D Printing, Prototyping, 3D Body Scanning, Design Research